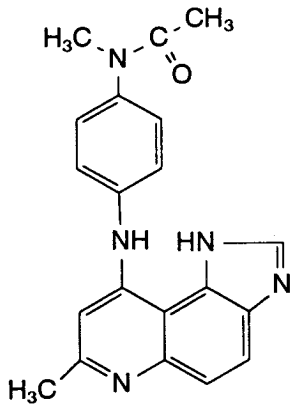
ACODAZOLE HYDROCHLORIDE

NSC - 305884



* HCl

Chemical Name:
N-Methyl-*N*-[4-[(7-methyl-1*H*-imidazo(4,5-*f*)quinolin-9-yl)amino]phenyl]acetamide, monohydrochloride

CAS Registry Number: 55435-65-9

Molecular Formula: $C_{20}H_{19}N_5O \cdot HCl$ **M.W. :** 381.9

Approximate Solubility:	(mg/mL)
H_2O	> 50
pH 4 Acetate buffer	> 50

pH 9 Carbonate buffer	> 50
10% Ethanol	> 50
Methanol	10 - 12
95% Ethanol	10 - 15
0.1 N HCl	> 50
0.1 N NaOH	< 1

Stability:

Bulk:

The bulk compound did not undergo significant decomposition when heated at 60 °C for 30 days in the dark (HPLC). The compound is quite hygroscopic.

Solution:

A solution (0.1 mg/mL) prepared in unbuffered water and stored at room temperature and exposed to light was stable for > 48 hours (HPLC).

Ultraviolet Absorption:

(Methanol)

λ_{max}	ε
345 ± 2 nm	15,300 - 16,600
316 ± 2 nm	12,400 - 13,200
255 ± 2 nm	27,900 - 30,500
227 ± 2 nm	21,100 - 22,400

High Performance Liquid Chromatography:

Column:	μ-Bondapak C_{18}, 300 x 3.9 mm ID (Waters Assoc.)
Mobile Phase:	Methanol/water (containing 2% acetic acid), 40/60 (v/v)
Flow Rate:	1.0 mL/min
Detection:	UV at 254 nm
Internal Standard:	Acetophenone, 1.28 μg/mL
Retention Volume:	25.0 mL (NSC-305884) 13.0 mL (I.S.)

Toxicity Data:

Mouse(ip): LD_{50}: 161 mg/kg
NCI Screening Program Data Summary

Mouse(iv): LD_{50}: 87,590 μg/kg
NCI Screening Program Data Summary